

U.S. Department of Commerce
National Institute of Standards and Technology
Gaithersburg, MD 20899

Certificate Number: 88-027
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National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Jeweler's Balance
Digital Electronic
Model: 5550
n: 50 x 0.01 g
500 x 0.01 g
Platform: 4.5" diameter

Accuracy Class: II

Submitted by:

Scientech, Inc.
5649 Arapahoe
Boulder, CO 80303
Tele: (303) 444-1361
Contact: Howard B. Lewis

Standard Features and Options

Manually selected dual range scale (range key)
Units of grams, carats, troy ounce, and pennyweight are accessed through the units key
Semi-automatic zero

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Original signed by Chief, Office of Weights and Measures

Issue Date: March 24, 1988

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SCIENTECH, INC.
DIGITAL ELECTRONIC JEWELER'S BALANCE
Model: 5550

Application:

For use as a jeweler's balance.

Identification:

The identification badge is located on the left side of the scale and on the lower half of the scale case.

Sealing:

A jumper must be moved inside the scale to activate the calibration mode. A lead and wire seal can be threaded through a screw on the back of the scale and looped through the security bracket on the back panel. A self-destruct pressure sensitive seal must be placed over the case seam on one side of the scale to prevent the removal of the case forming the top of the scale.

Test Conditions:

This scale was previously evaluated and received Certificate of Conformance No. 98-85. The emphasis of the examination was on device compliance with influence factor, marking, discrimination and time dependence requirements. The scale was tested for accuracy over a temperature range of 10 °C to 30 °C. The results of this examination and Certificate of Conformance No. 98-85 indicates this device complies with the applicable requirements of NBS Handbook 44.

Type Evaluation Criteria Used:

1987 Edition

Tested By:

S. Cook